



STDN DAILY REPORT  
FOR GMT DAYS  
24, 25, 26, 27 AND 28 MAY , 2001

## Part I. Operations

24 MAY

### A. SN Anomalies:

1. STGT/TRMM Support 24/2217-2237Z

Negative Acquisition TRMM MOCC advised they didn't show an event scheduled. TTR # 23894

171 SSAR-2 20 Min Svc/Data Loss Recoverable (Unknown)

### B. ISS Anomalies - None.

### C. GN Anomalies:

1. WGS/SNOE Support 24/1619-1630Z

No data received in real-time or recorded, post pass station restarted system performed a simulation pass no problems. Real-time station had good bit sync lock and video looked nominal. Station suspects TVI problem. CDS ID# 18861

LEO-T 11 Mins. Service/Data Loss Recoverable (Unknown)

2. AGS/FAST Support 24/2044-2105Z

The Operator attempted to reconnect the command connection and the data connection failed. Support was transferred to TOTS-1 for the remainder of the support. Data and command connection

were established first, then the Command carrier was brought up after a science dump was completed. Project was advised when to go for command. CDS ID# 18863

#### D. Network Advisory Messages Issued:

NAM 542 STGT Software Delivery 01002  
NAM 543 LANDSAT-5 End of Life (EOL) Activities  
NAM 544 TDRS-4 Handover from SGLT-5 To SGLT-4.

25 MAY

#### A. SN Anomalies

##### 1. WSGT Hardware Anomaly 25/1252-1314Z

The following events experienced a negative acquisition due to MABE Controller B hanging up the MA system. A reset of the MABE Controller cleared the anomaly. TTR # 23895 DR # 43068

TDE UARS 1252-1303Z 10 Mins. 30 Secs Data/Loss Non-Recoverable

TDE HST 1252-1313Z 22 Mins. 26 Secs Data/Loss Non-Recoverable

##### 2. LANSAT-4 Support 25/1940-1950Z

Negative acquisition with no RF present. The POCC was unable to support due to a tornado warning in the area. No data loss was declared. TTR # 23896

TDS SSA1F/R 8K/32K

##### 3. MULTIPLE/TERRA Support 25/0012-1510Z

New day continuation TTR of TERRA uncorrectable error problem (previous days TTR # was 23893).

POCC reported that the problem was corrected at 145/15:10:17Z, when two suspect supersets of memory for their on board recorder were removed and replaced as of 145/2359Z, no recurrence of the uncorrectable errors had been noted. TTR # 23897

TDS SSA 0012-0037Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDS SSA 0139-0204Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDS SSA 0458-0523Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDS SSA 0635-0700Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

171 SSA 0820-0845Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDS SSA 1040-1114Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDW SSA 1138-1203Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDS SSA 1227-1252Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

TDS SSA 1402-1429Z 2 Seconds Svc/Data Loss Recoverable (Unknown)

18 Seconds Svc/Data Loss Recoverable (Unknown)

B. ISS Anomalies - None.

C. GN Anomalies:

1. SKS/QST Support 25/0728-074120Z

SKS could not connect to either QMOC Server for this support.  
CDS ID# 18865

13 Mins. 40 Secs. Service/Data Loss Non-Recoverable

2. SKS/QST Support 25/123558-124806Z

Loss 4K and 262KB telemetry data caused by the RF chain downlink failed. CDS ID# 18868

12 Mins. 08 Secs. Service/Data Loss Non-Recoverable

3. PF1/QKST Support

25/0554-0609Z

The PF1 station was not able to connect to QMOC or JPL for this support, however, all data was transferred to the SAFS nominally. IPNOCC reported an OC12 ATM outage at Goddard. OC12 ATM circuit reported to be back online at 08:09:00 GMT. CDS # 18872

PF1 14 Mins 53 Sec Svc/Data loss Recoverable (Unknown)

26 MAY

A. SN Operation:

1. WSGT/MULTIPLE Supports

26/2115-2133Z

Service loss due to WSC/NCC prime ISC circuit outage. No UPD/GCMR capability at POCC's. NCC reset their Mux to recover. TTR 23898

TDE TOPEX SSAR-1 2120-2150 13 Mins Service Loss

TDE UARS MAR-4 2111-2140 18 Mins Service Loss

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/IRS-P3 Support

26/1441-1452Z

No downlink from spacecraft during this support. It appears to be a scheduling problem. All systems are nominal. CDS ID# 18873

LEO-T 11 Mins. Service/Data Loss Recoverable (Unknown)

D. ULTRA Long Duration Balloon Project (ULDBP) SIC 1504 liftoff at 1339Z was nominal.

27 MAY

A. SN Operation:

1. TERRA Support

27/135030-135330Z

User failed to acquire at SHO start, RF was present. CSC requested POCC to send forward REACQ. CSC offered to send REACQ but POCC stated they wanted to send. By the time the POCC sent forward REACQ and the SHO locked, the acquisition was out of the generic late acq window. TTR # 23899

TDS 1350-1410Z 3 Mins. Service/Data Loss Recoverable

2. TOPEX Support

27/2140-215948Z

USS ground equipment failed to configure for the support. SHO downloaded to USS ADPE with normal indications. At SHO start time ground equipment indicated no status, no alerts were generated. HSM chain was then failed down and an RFM was performed. A locally generated GCMR OPM 3 respecifying the user receive frequency was sent resulting in signal acquisition. TTR # 23900 DR # 43078

TDE 2140-2220Z 16/32K 19 Mins 18 Secs. Svc/Data Loss Recoverable

TDE 2140-2220Z 1K 19 Mins. 48 Secs. Svc/Data Loss Recoverable

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/TOMS-EP Support

27/1117-1121Z

At AOS, TMOC called and stated that they were not receiving data. This is the third occurrence and all have happened on Mids with different operators. CD Manager stated that he was receiving real-time data, as well as FDF. CD Manager noted that he was not receiving data from our BED, although the lights were flashing as if data were being sent. It appears that they were receiving TDF or HK data but not science data. TMOC informed us to wait until the next pass at DOY 147/19:23 to see if problem clears as it has before. CD manager will set up a test loop prior to the next event at 19:23 to determine if data is being sent from Poker.  
CDS ID # 18874

TOTS-1 13 Mins 49 Seconds Data Loss Recoverable

## 2. AGS/FAST Support

27/1623-1636Z

TPCE Connection window appeared unusual (frozen/no updates?), unable to verify if the connection was indeed valid or not. When the PB from the previous support terminated, Fast connection window went with it manual connection was established and the first commands for the event were sent. Post Pass investigation found no file folder was created by TPCE for the scheduled PB event. The scheduled PB support was aborted and the taped data was loaded into the Data Buffer, and then TPCE for the FTP. The FEP required no manual intervention and worked without any problems.  
CDS 18875

TOTS-1 13 Mins Data Loss Recoverable

## 3. PF1/EO-1 Support

27/195212-231009Z

Poor X-Band data quality due to high wind gusts during support that moved the antenna off of the X-Band downlink. CDS ID# 18876 & 18877

PF1 195007-200206Z Data Loss Unknown

PF1 230551-231704Z Data Loss Unknown

D. ULDB completed as of 147/1600Z all requirements were met.

28 MAY

A. SN Operation:

1. NCC 28/0205-0210Z

Receiving OPS Path hits. NCC reported a MUX/KG reset was done to clear the hits. similar problem occurred on day 146/2115-2133Z TTR 23898. TTR 23901

No Service/Data Loss

2. LSAT-4 Support 28/1939-1949Z

The POCC experienced a negative acquisition. No RF was present. The anomaly is under investigation. TTR # 23902

TDW 10 Mins. Service/Data Loss Recoverable

B. ISS Anomalies - None.

C. GN Anomalies:

1. PF1/EO-1 Support 28/004508-004538Z

Poor X-Band data quality due to high wind gusts during support that moved the antenna off of the X-Band downlink. CDS ID# 18878

PF1 004243-005226Z Data Loss Unknown

2. SGS/QST Support 28/075248-080516Z

After initialize we noticed that our SA-930 LH Data Receiver went dead. The unit went offline on the SCC, and showed a blue

screen. During support the Receiver came up for about 1 minute, and then stayed offline throughout the support. Troubleshooting is ongoing. QST MOC will try to re-dump the science dump on a later support.

11M 1 Min. Service/Data Loss Recoverable

## Part II. Testing Anomalies

A. SN Test - None.

B. GN Test.

- |                        |               |                   |
|------------------------|---------------|-------------------|
| 1. An Engineering Test | 24/1700-1900Z | JASON-1/POCC/JPL/ |
| with JASON-1 POCC, WLE |               | WPS-LEO-T/WFF/    |
| WFF and MOSA           |               | GSFC/NISN/MOSA    |

Objectives:

Continuation of the JASON-1 Proficiency training

Results: Objective Partially Met

Remarks:

All stations configured their equipment according to their local operating procedures. The Test Conductor had the station monitor all remote commands. A remote command to change the system to low data rate was successfully transmitted. The low rate file(frame25A) was successfully processed with no errors or data gaps. Subsequently, a remote command was sent to go high rate(frame700A). TC receive an acknowledgement that the command was a success. However, the status blocks of the high rate data consistently displayed Reed Solomon error corrections being performed and numerous data gaps. The data summary was approximately 1% data loss. However, this was an unexpected loss. The station is investigating the anomaly.



### Part III. Equipment Status Changes

#### A Green Items Since Last Report:

1. WPS 928: XXSA:01-X2, Satan Transmit Antenna, RY 05170800Z, GREEN: 05232359Z. Replaced Y axis control.
2. WPS 929: XXSC:01-X2, H Scamp Transmit Antenna, R 10211800Z, GREEN: 05250045Z Replaced X and Y axis motors 20 and drive amplifiers. Checked wiring and aligned limits. Required engineering support as all parts were obsolete.

#### B. GN Red Items:

- \*\*1. WPS 930: TR7V:03, D Analog Mag Tape RCRD 7TRK R, 05250050Z, ETRO 05292359Z. Recorder has short causing 01 reel motor Power supply amplifier card assy 533484-001A to burn Out on the board. Troubleshooting in progress

\$ = Changed ETRO

\*\* = New Items

### Part IV. Scheduled Activities:

PEGASUS/HESSI TLM/LTAS/MDDF Data Flow  
1700Z

29/1300-

### Part V. Launch Forecast Changes

- \* 1.) M2104LS (STS-104/ISS-10-7A) NET 20 JUN.,2001 T-0 = 1745Z
- \* 2.) D3331LS (TITAN IV/B-31) NET 24 JUL.,2001 UNKNOWN